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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/759,639

01/16/2004

Ayedin Nikazm

16356.834 (DC-05396)

1548

27683 7590 05/23/2008

HAYNES AND BOONE, LLP  
901 Main Street  
Suite 3100  
Dallas, TX 75202

EXAMINER

ELAMIN, ABDELMONIEM I

ART UNIT

PAPER NUMBER

2116

MAIL DATE

DELIVERY MODE

05/23/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/759,639	<b>Applicant(s)</b> NIKAZM ET AL.	
	<b>Examiner</b> Abdelmoniem Elamin	<b>Art Unit</b> 2116	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 29 April 2008.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1,3,4,6-13,15,16 and 18-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1, 3-4, 6-13, 15-16, 18-24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

### DETAILED ACTION

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on Apr. 29, 2008 has been entered.

#### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1, 3-4, 6-11, 13, 15-16, 18-24 are rejected under 35 U.S.C. 102(b) as being anticipated by Massie et al, US. Pat. No. 6,144,114 (*cited in PTO 892 mailed on 10/5/2006*).

4. Claims 1, 13 and 24, Massie teaches an information handling system (IHS) [*computer server arrangement, col. 1, lines 10-11*], comprising:

a system board including a processor [*inherent*];

a first battery for supplying power to the system board [*power supply A*];

a second battery for supplying power to the system board [*power supply B*]; and

a switching circuit coupled to the first battery the second battery and the system board [*GT<sub>A</sub>* and *GT<sub>B</sub>*], for repeatedly switching between the first battery and the second battery for

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supplying power to the system board, the switching circuit receiving only one input from the first battery [*GT<sub>A</sub> receives only one input from Power supply A*] and only one input from the second battery [*GT<sub>B</sub> receives only one input from Power supply B*], each battery supplying a peak amount of current for periods of time during which the switching circuit has connected one of the batteries for supplying current while, simultaneously, the other of the batteries supplies no current whereby, in the aggregate, the batteries maintain a continuous supply of peak current to the system [*see Figs. 1 and 2A and related disclosure*];

a first diode coupled in series with the first battery [*Di of Fig. 7, which is part of GT<sub>A</sub> of Fig. 1*], the switching circuit, and the system board, wherein the first diode is located between the switching circuit and the system board, and wherein the first diode prevents reverse flow current from the second battery to the first battery while the second battery is supplying power to the system board [*col. 9, lines 9-11*];

a second diode [*Di of Fig. 7, which is part of GT<sub>B</sub> of Fig. 1*] coupled in series with the second battery, the switching circuit, and the system board, wherein the second diode is located between the switching circuit and the system board, and wherein the second diode prevents reverse flow current from the first battery to the second battery while the first battery is supplying power to the system board;

wherein at no time during operation are both the first and second batteries connected for supplying current [*see timing diagram of Fig. 2A*];

wherein the switching circuit connects the first battery to supply power to the system board during first periods of time [*e.g., t<sub>0</sub> of Fig. 2A*] alternating with second periods of time

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during which the switching circuit connects the second battery to supply power to the system board [*e.g.,  $t_1$  of Fig. 2A*]; and

wherein the first time periods are equal in duration to the second time periods [*equal duration of 0.01 msec., see col. 4, lines* ].

5. Claims 3, 15, Massie teaches the peak power that can be drawn from the first battery during the first time periods is greater than the power that the first battery is capable supplying under a continuous load [*because using the battery to power the load all the time wears it out*].

6. Claims 4, 16, Massie teaches the peak power that can be drawn from the second battery during the second time periods is greater than the power that the second battery is capable of supplying under a continuous load [*because using the battery to power the load all the time wears it out*].

7. Claims 6-7, 18-19, Massie teaches the first time periods are greater/shorter in duration than the second time periods [*col. 4, lines 60+, see also the timing diagrams of Figs. 5-6*].

8. Claims 8, 20, Massie teaches the switching circuit includes a field effect transistor (FET) switch [*col. 3, line 29*].

9. Claims 9, 21, Massie teaches the switch operates in response to a switching signal generator [*see, for example, gating signal GS-A signal of Fig. 1*].

10. Claims 10, 22, Massie teaches the switching signal generator exhibits a variable switching frequency [*see switching circuit  $GT_A$  and  $GT_B$  of Fig. 1 and related disclosure*].

11. Claims 11, 23, Massie teaches a capacitor coupled to the switching circuit, wherein the capacitor is for stabilizing the voltage supplied to the system board [*see, for example, Capacitor  $C_A$  of Fig. 1*].

***Claim Rejections - 35 USC § 103***

12. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

13. Claim 12 is rejected under 35 U.S.C. 103(a) as being unpatentable over Massie et al, US. Pat. No. 6,144,114 (*cited in PTO 892 mailed on 10/5/2006*).

14. Claim 12, Massie fails to teach the IHS is a portable HIS.

However, Examiner asserts that portable HISs are well known in the art. These types of limitations are considered field of use, and are not patentably distinct.

***Response to Arguments***

Applicant's arguments filed on Mar. 27, 2008 have been fully considered but they are not persuasive for the following reasons:

14. **In the remarks, Applicant argues as follows:**

“the controller of Massie receives two signals the power input at D and the enable signal at the controller C, from each of the power supplies ...” [see pages 9-10, REMARKS].

15. **Examiner responses as follows:**

The switching circuit of Massie [ $GT_A$  and  $GT_B$ ] receives only one input from the first power supply and only one input from the second power supply as discussed in paragraph 3 above.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Abdelmoniem Elamin whose telephone number is 571-2727-3674. The examiner can normally be reached on MON - THUR 10:00 AM - 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rehana Prveen can be reached on 571-272-3676. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Abdelmoniem Elamin/  
Primary Examiner, Art Unit 2116

January 29, 2008